

MAGNETIC SENSOR

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Inventor(s): ONO TOSHIO
Applicant(s): TAMA ELECTRIC CO LTD
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Abstract

PROBLEM TO BE SOLVED: To solve the problem wherein since the magnetic sensor outputs a signal to a change in magnetic field as an analog signal, an A/D converter is needed for obtaining a digital signal, so that the circuit scale is increased to constitute an obstacle to reducing the size of the magnetic sensor.

SOLUTION: This magnetic sensor is formed by an oscillating circuit including a magnetic sensor element and a counter circuit connected to the oscillating circuit, and the signal of magnetic field change detected by the magnetic sensor element is converted to a digital signal. Thus, the output signal of the magnetic sensor can be output as a digital signal.

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